

CLAIMS

1. Axle with wheel hub drive including an electric motor (3) cooled with cooling fluid, wherein an external cooling is incorporated into wheel heads (2) of the axle (1).

2. Axle with wheel hub drive according to claim 1, wherein the external cooling is incorporated in a wheel bearing (5) of the wheel heads (2).

3. Axle with wheel hub drive according to claim 1 or 2, wherein the wheel heads (2) can be cooled by the cooling fluid of the electric motor (3) of the wheel hub drive.

4. Axle with wheel hub drive according to claim 1, 2 or 3, wherein two channels (8, 9) are provided in the neck (7) of the motor housing (11) in which the cooling fluid is fed into the wheel head (2) and eliminated from it.

5. Axle with wheel hub drive according to one of the preceding claims, wherein an annular cooling fluid channel (10) is provided in the hub mounting (12) of the respective wheel head (2) through which the cooling fluid of the electric motor (3) is introduced directly in the region of the wheel bearing (5), whereby the cooling fluid flows annularly on the hub mounting (12) to recirculation.

6. Axle with wheel hub drive according to one of the preceding claims, wherein the axle (1) includes a feed pipe (18) for the supply of cooling fluid into a wheel head (2), a connecting channel (19) between the wheel heads (2) and a cooling fluid recirculation line (20) proceeding from the other wheel head, so that the cooling fluid flows over the feed pipe (18) to a wheel head and from there over a connection channel (19) into the other wheel head, so that a cooling water inflow and a cooling water recirculation lead (18, 20) is needed on the part of the motor vehicle.